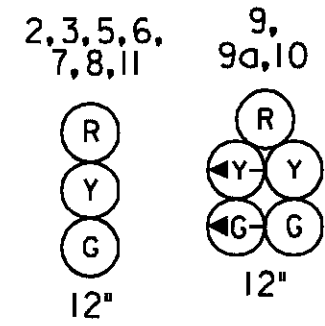


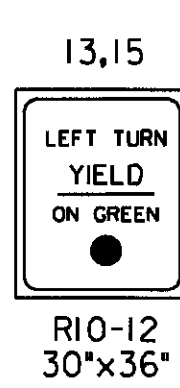


DORSEY RUN IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

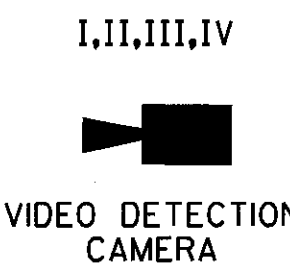
#### EXISTING SIGNALS



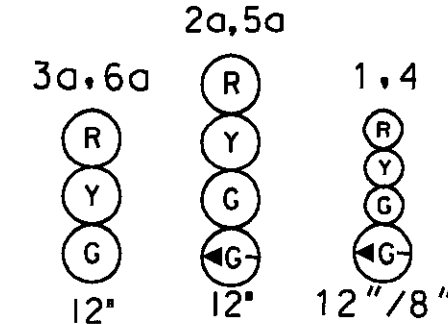
#### EXISTING SIGNS



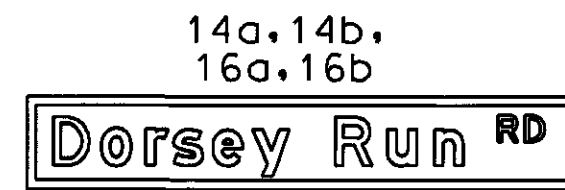
#### PROPOSED EQUIPMENT



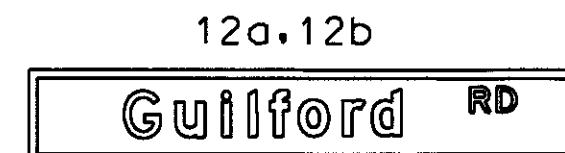
#### PROPOSED SIGNALS



#### PROPOSED SIGNS

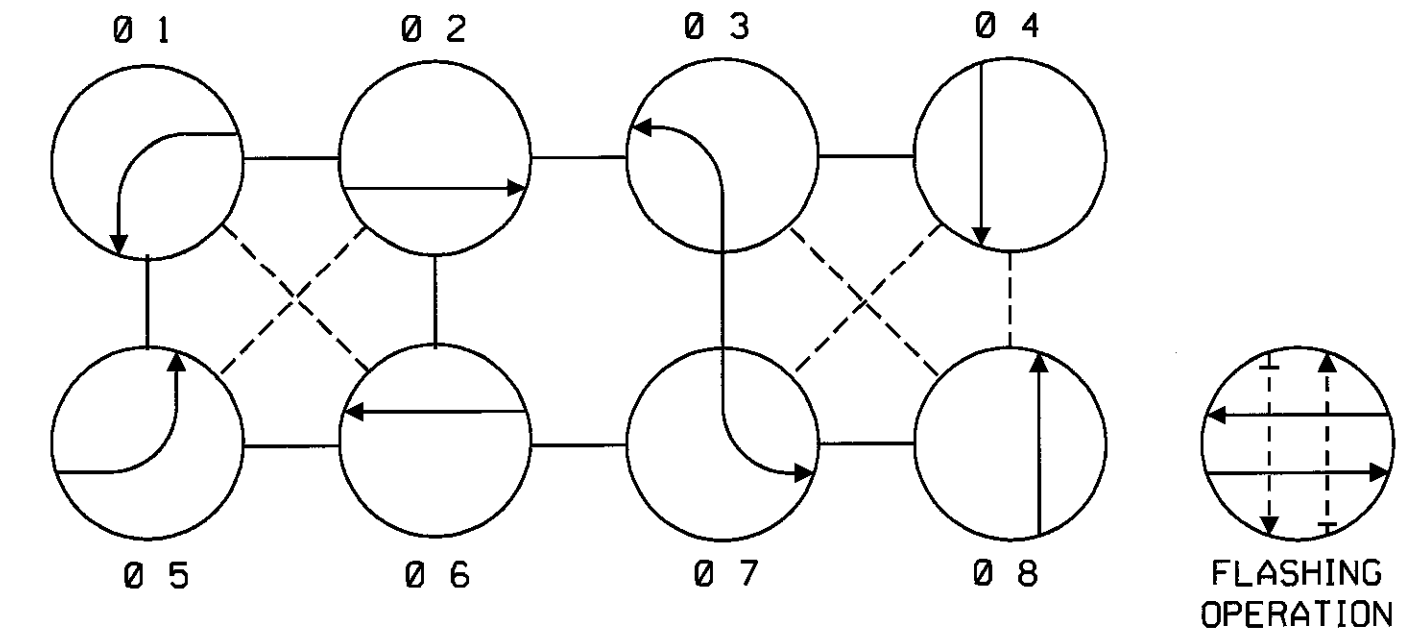


D3-2 DOUBLE FACED  
16" X VARIABLE



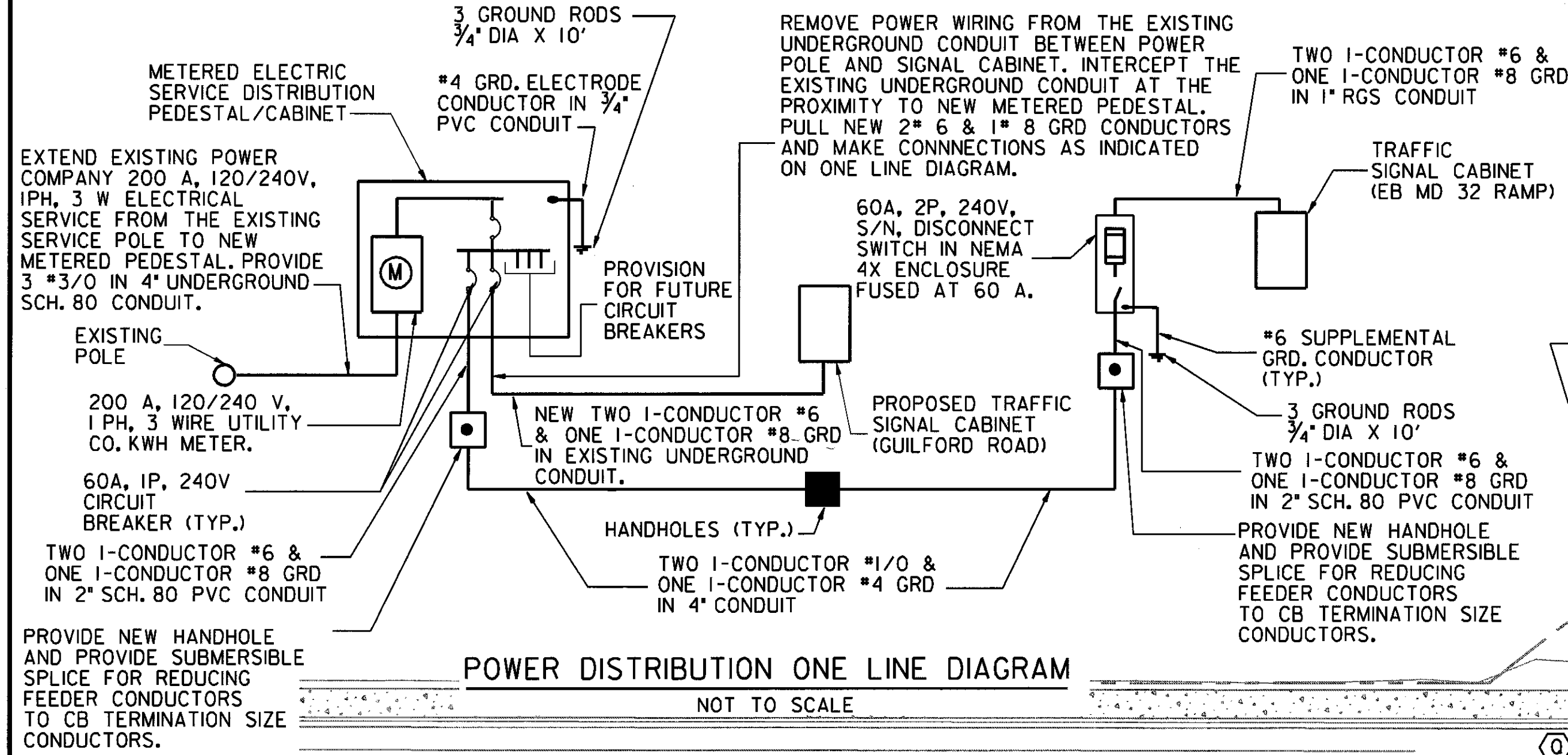
D3-2 DOUBLE FACED  
16" X VARIABLE

#### NEMA PHASING



#### PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



DORSEY RUN ROAD

GUILFORD ROAD

DORSEY RUN ROAD

GUILFORD ROAD

- CONSTRUCTION DETAILS**
- INSTALL HANDHOLE.
  - INSTALL 4 INCH PVC (SCHEDULE 80) CONDUIT (DIRECTIONAL BORED) WITH SIGNAL INTERCONNECT CABLE (SEE IC-01).
  - EXTEND PROPOSED BORED CONDUIT INTO EXISTING HANDBOX.
  - INSTALL VIDEO DETECTION CAMERA.
  - SEE SIGNAL INTERCONNECT PLAN.
  - RELOCATE EXISTING SIGNAL TO PROPOSED LOCATION.
  - INSTALL NEW CABINET FOUNDATION, NEMA SIZE 6 CABINET, MASTER SIGNAL SYSTEM CONTROLLER, AND VIDEO DETECTION EQUIPMENT.
  - INSTALL METERED SERVICE PEDESTAL. REMOVE EXISTING METER. EXISTING OVERHEAD POWER SERVICE AND DISCONNECT FROM EXISTING SIGNAL POLE. INSTALL ONE 3 INCH PVC SCHEDULE 80 CONDUIT WITH TWO 1-CONDUCTOR #6 AND ONE 1-CONDUCTOR #8 GRD WIRES BETWEEN METERED SERVICE PEDESTAL AND PROPOSED CONTROL CABINET. DO NOT REMOVE THE ABANDONED POWER CONDUIT BETWEEN SIGNAL POLE AND EQUIPMENT CABINET. CONDUIT SHALL BE REALLOCATED FOR PROPOSED OVERHEAD COMMUNICATION CABLE FROM VERIZON.
  - INSTALL ONE 4 INCH PVC SCHEDULE 80 CONDUIT WITH TWO 1-CONDUCTOR #1/0 AND ONE 1-CONDUCTOR #4 GRD WIRES (DIRECTIONAL BORED). CONNECT WIRE TO AVAILABLE BREAKERS IN METERED SERVICE PEDESTAL.
  - INSTALL ONE 4 INCH PVC SCHEDULE 80 CONDUIT WITH TWO 1-CONDUCTOR #1/0 AND ONE 1-CONDUCTOR #4 GRD WIRES. TRENCHED AS SHOWN ON ONE LINE DIAGRAM ON THIS SHEET.
  - INSTALL MAST ARM MOUNTED SIGN.
  - REMOVE EXISTING HANDHOLE, CUT, CAP, AND ABANDON EXISTING CONDUIT.
  - INSTALL MICROLOOP.
  - INSTALL 3 INCH PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
  - SEE TRAFFIC SIGNALIZATION PLAN FOR WESTBOUND MD 32 RAMP AT DORSEY RUN ROAD (SG-03).
  - INSTALL 1 INCH CONDUIT SLEEVE FOR DETECTOR LEAD-IN.
  - REPLACE EXISTING SIGNAL HEAD WITH PROPOSED SIGNAL HEAD. INSTALL PROPOSED SIGNAL HEAD AS DIMENSIONED ON PLAN.
  - REMOVE EXISTING MAST-ARM MOUNTED SIGN.
  - REMOVE EXISTING CABINET AFTER COMPLETION AND CONFIRMED PROPER OPERATION OF PROPOSED CABINET. REMOVE EXISTING CABINET FOUNDATION 1 FT BELOW GRADE. CONTRACTOR SHALL CONTACT MR. TOM WILKINS (410) 313-6145 FOR DELIVERY OF CABINET AND CONTROLLER TO HOWARD COUNTY.
  - INSTALL 2 INCH SCHEDULE 80 CONDUIT WITH MICROLOOP LEAD-IN CABLES (TRENCHED).
  - INSTALL 4 INCH SCHEDULE 80 CONDUIT (DIRECTIONAL BORED) FROM EXISTING POWER SOURCE POLE LOCATION TO NEW METERED SERVICE PEDESTAL LOCATION. BGE SHALL EXTEND POWER CABLE FROM UTILITY SOURCE POLE TO METERED SERVICE PEDESTAL.

#### GENERAL NOTES:

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE BE INSTALLED BY OTHERS.

#### SPECIAL NOTE

1. DORSEY RUN ROAD NORTH OF GUILFORD ROAD IS BEING WIDENED BY HOWARD COUNTY. CONSTRUCTION OF DORSEY RUN ROAD NORTH SHOULD BE FINALIZED BY THE TIME THIS SIGNAL WORK COMMENCES. HOWEVER IF ROADWAY WORK HAS NOT YET BEEN FINALIZED, CONTRACTOR SHALL CALL MR. TOM WILKINS OF HOWARD COUNTY AT 410-313-6145 TO COORDINATE MICROLOOP PROBE, HANDHOLE, AND CONDUIT INSTALLATION.
2. CONTRACTOR SHALL INSTALL NEW SIGNAL CONTROL CABINET AND POWER DISTRIBUTION EQUIPMENT PRIOR TO REMOVING ANY EXISTING EQUIPMENT.
3. TO MINIMIZE INTERRUPTION TO SIGNAL OPERATION, CONTRACTOR SHALL REWIRE EACH SIGNAL HEAD SEPARATELY TO THE NEW EQUIPMENT CABINET.

DWG. NO.  
SG-01

#### UTILITY LEGEND

— G — G — GAS MAIN  
— W — W — WATER MAIN  
— S — S — SEWER MAIN  
— D — D — STORM DRAIN  
— TV — TV — CABLE TELEVISION  
— E — E — ELECTRIC CABLES  
— T — T — TELEPHONE CABLES  
— A — A — AERIAL CABLES  
— FO — FO — AERIAL CABLES

**WHITNEY  
BAILEY  
COX  
MAGNANI**

CONSULTING  
ENGINEERS  
849 FAIRMOUNT AVENUE  
SUITE 100  
BALTIMORE, MD 21286  
(410) 512-4500

REVISIONS		APPROVALS	
INSTALL VIDEO DETECTION & SIGNAL INTERCONNECT EQUIPMENT (AT 3585185).		ASST. TRAFFIC ENGINEERING DESIGN DIVISION	
MJA	CJS QUB WUB	ASST. DISTRICT ENGINEER, TRAFFIC	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TRAFFIC SIGNALIZATION PLAN  
DORSEY RUN ROAD  
AT GUILFORD ROAD

DRAWN BY: E.N.B.  
CHECKED BY: M.J.A.  
SCALE: 1"=20'  
DATE: MAY 2003

F.A.P. NO. AC-STPG-000519041E  
S.H.A. NO. HOWARD  
COUNTY: HOWARD  
LOG MILE: 13732R00.56

TS NO. 4699 4253  
T.I.M.S. NO. D469  
SHEET NO. 1 OF 7